

=> d 12 2 ibib hitstr abs

L2 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1989:121535 CAPLUS

DOCUMENT NUMBER: 110:121535

TITLE: High-performance liquid chromatographic analysis of the by-products of the synthesis of ethynylestradiol, mestranol, 17.alpha.-hydroxyprogesterone caproate and 17.alpha.-hydroxy-6-dehydroprogesterone acetate

AUTHOR(S): Levchenko, N. K.; Osokin, D. M.; Torgov, I. V.;

CORPORATE SOURCE: Arzamastsev, A. P.; Sokolova, T. M.; Tuguntaev, G. I. M. M. Shemyakin Inst. Bioorg. Chem., Moscow, 117871, USSR

SOURCE: Journal of Chromatography (1988), 456(2), 427-30
CODEN: JOCRAM; ISSN: 0021-9673

DOCUMENT TYPE: Journal

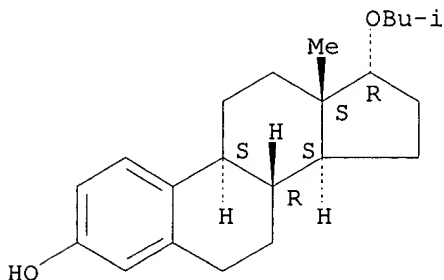
LANGUAGE: English

IT 119309-39-6, 17.alpha.-Isobutylestradiol
RL: ANT (Analyte); ANST (Analytical study)
(detr. of, in ethynylestradiol by HPLC)

RN 119309-39-6 CAPLUS

CN Estra-1,3,5(10)-trien-3-ol, 17-(2-methylpropoxy)-, (17.alpha.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



AB Impurities in the samples and mother liquors of title compds. were sepd. by preparative HPLC on a Prep Pak silica column with a refractometric detector. The compds. were identified by spectral methods and detd. by anal. HPLC and TLC. Some of the impurities were estrone, estradiol and estrone Me ethers, 17.alpha.-isobutylestradiol.

Welcome to STN International! Enter x:x

LOGINID:sssptal202sxq

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 09	CA/CAPLUS records now contain indexing from 1907 to the present
NEWS	4	AUG 05	New pricing for EUROPAFULL and PCTFULL effective August 1, 2003
NEWS	5	AUG 13	Field Availability (/FA) field enhanced in BEILSTEIN
NEWS	6	AUG 18	Data available for download as a PDF in RDISCLOSURE
NEWS	7	AUG 18	Simultaneous left and right truncation added to PASCAL
NEWS	8	AUG 18	FROSTI and KOSMET enhanced with Simultaneous Left and Right Truncation
NEWS	9	AUG 18	Simultaneous left and right truncation added to ANABSTR
NEWS	10	SEP 22	DIPPR file reloaded
NEWS	11	SEP 25	INPADOC: Legal Status data to be reloaded
NEWS	12	SEP 29	DISSABS now available on STN
NEWS	13	OCT 10	PCTFULL: Two new display fields added
NEWS	14	OCT 21	BIOSIS file reloaded and enhanced
NEWS	15	OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS EXPRESS		OCTOBER 01	CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 12:06:33 ON 11 NOV 2003

=> le reg

LE IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 12:06:47 ON 11 NOV 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 10 NOV 2003 HIGHEST RN 614792-33-5
DICTIONARY FILE UPDATES: 10 NOV 2003 HIGHEST RN 614792-33-5

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STN Note 27, Searching Properties
in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s 119309-39-6/rn

L1 1 119309-39-6/RN

=> d l1

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN

RN **119309-39-6** REGISTRY

CN Estr-1,3,5(10)-trien-3-ol, 17-(2-methylpropoxy)-, (17.alpha.)- (9CI) (CA
INDEX NAME)

OTHER NAMES:

CN 17.alpha.-Isobutylestradiol

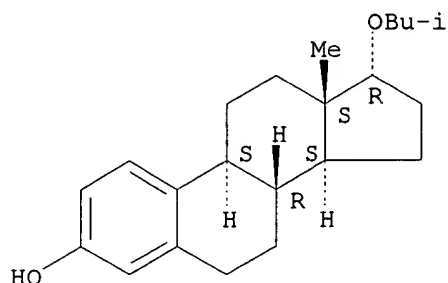
FS STEREOSEARCH

MF C22 H32 O2

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

2.48

2.69

FILE 'CAPLUS' ENTERED AT 12:07:41 ON 11 NOV 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 11 Nov 2003 VOL 139 ISS 20

FILE LAST UPDATED: 10 Nov 2003 (20031110/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d 11 ibib hitstr abs

YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:

YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:y

'IBIB' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

'HITSTR' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

'ABS' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN
 SAM - Index Name, MF, and structure - no RN
 FIDE - All substance data, except sequence data
 IDE - FIDE, but only 50 names
 SQIDE - IDE, plus sequence data
 SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
 SQD - Protein sequence data, includes RN
 SQD3 - Same as SQD, but 3-letter amino acid codes are used
 SQN - Protein sequence name information, includes RN

 CALC - Table of calculated properties
 EPROP - Table of experimental properties
 PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract
 APPS -- Application and Priority Information
 BIB -- CA Accession Number, plus Bibliographic Data
 CAN -- CA Accession Number
 CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
 IND -- Index Data
 IPC -- International Patent Classification
 PATS -- PI, SO
 STD -- BIB, IPC, and NCL

 IABS --ABS, indented, with text labels
 IBIB -- BIB, indented, with text labels
 ISTD -- STD format, indented

 OBIB ----- AN, plus Bibliographic Data (original)
 OIBIB ----- OBIB, indented with text labels

 SBIB ----- BIB, no citations
 SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDs -- To see a complete list of individual display fields.
 HELP FORMATS -- To see detailed descriptions of the predefined formats.
 ENTER DISPLAY FORMAT (IDE):end

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	3.93

FILE 'CAPLUS' ENTERED AT 12:08:15 ON 11 NOV 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 11 Nov 2003 VOL 139 ISS 20
FILE LAST UPDATED: 10 Nov 2003 (20031110/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

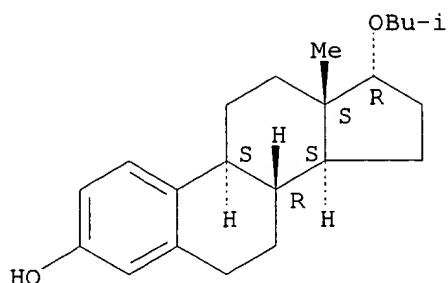
=> d l1
YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:N

=> s l1
L2 2 L1

=> d l2 ibib hitstr abs

L2 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1990:429367 CAPLUS
DOCUMENT NUMBER: 113:29367
TITLE: HPLC determination of steroidal impurities in
mestranol and ethynylestradiol
AUTHOR(S): Levchenko, N. K.; Osokin, D. M.; Torgov, I. V.;
Tuguntaev, G. I.; Sokolova, T. M.; Arzamastsev, A. P.
CORPORATE SOURCE: Inst. Bioorg. Khim. im. Shemyakina, Moscow, USSR
SOURCE: Khimiko-Farmatsevticheskii Zhurnal (1990), 24(3), 84-6
CODEN: KHFZAN; ISSN: 0023-1134
DOCUMENT TYPE: Journal
LANGUAGE: Russian
IT 119309-39-6, 17.alpha.-Isobutylestradiol
RL: ANT (Analyte); ANST (Analytical study)
(detn. of, as impurity in ethynylestradiol, by HPLC)
RN 119309-39-6 CAPLUS
CN Estra-1,3,5(10)-trien-3-ol, 17-(2-methylpropoxy)-, (17.alpha.)- (9CI) (CA
INDEX NAME)

Absolute stereochemistry.



AB After TLC sepn. on a Silufol UV254 plate and identification by using 10% phosphormolybdenic acid in EtOH, steroidal microimpurities were detd. in ethynylestradiol and mestranol by HPLC using different columns, mobile phases comprising EtOAc-CHCl₃, MeHO-CHCl₃, and CHCl₃-petroleum ether, and UV spectrophotometric detection at 254 nm. The method is suitable for the quality control of these drugs.

=> d 12 2 ibib hitstr abs

L2 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1989:121535 CAPLUS

DOCUMENT NUMBER: 110:121535

TITLE: High-performance liquid chromatographic analysis of the by-products of the synthesis of ethynylestradiol, mestranol, 17.alpha.-hydroxyprogesterone caproate and 17.alpha.-hydroxy-6-dehydroprogesterone acetate

AUTHOR(S): Levchenko, N. K.; Osokin, D. M.; Torgov, I. V.; Arzamastsev, A. P.; Sokolova, T. M.; Tuguntaev, G. I.
CORPORATE SOURCE: M. M. Shemyakin Inst. Bioorg. Chem., Moscow, 117871, USSR

SOURCE: Journal of Chromatography (1988), 456(2), 427-30
CODEN: JOCRAM; ISSN: 0021-9673

DOCUMENT TYPE: Journal

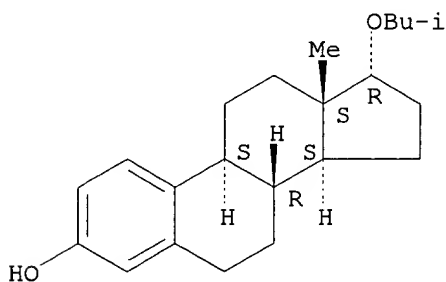
LANGUAGE: English

IT **119309-39-6**, 17.alpha.-Isobutylestradiol
RL: ANT (Analyte); ANST (Analytical study)
(detn. of, in ethynylestradiol by HPLC)

RN 119309-39-6 CAPLUS

CN Estra-1,3,5(10)-trien-3-ol, 17-(2-methylpropoxy)-, (17.alpha.)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



09893324

AB Impurities in the samples and mother liquors of title compds. were sepd. by preparative HPLC on a Prep Pak silica column with a refractometric detector. The compds. were identified by spectral methods and detd. by anal. HPLC and TLC. Some of the impurities were estrone, estradiol and estrone Me ethers, 17.alpha.-isobutylestradiol.